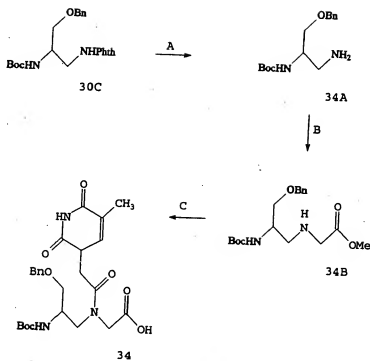


- A. Diazomethane, MeOH
 B. LiBH₄, MeOH
 C. PPh₃, Phthalimide, DEAD
 D. TFA, CH₂Cl₂, NaHCO₃, Methyl bromoacetate
 E. 1-Thymineylacetylchloride
 F. H₂NNH₂, Boc₂O, NaOH, MBHA Lys resin

Figure 1

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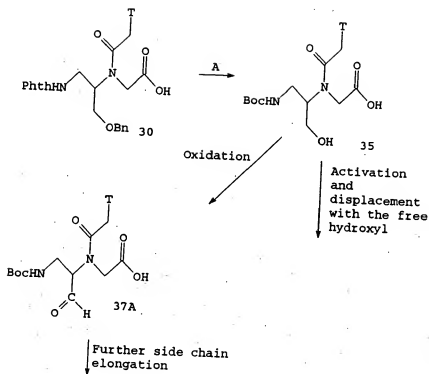


- A. Hydrazine, Ethanol
- B. Methyl bromoacetate
- C. 1-Thyminylacetylchloride

Figure 2

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A. H_2NNH_2 , $\text{Boc}_2\text{O}/\text{NaOH}$, $\text{LiBH}_4/\text{MeOH}$

Figure 3

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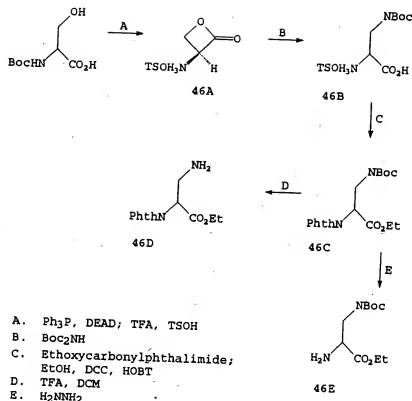
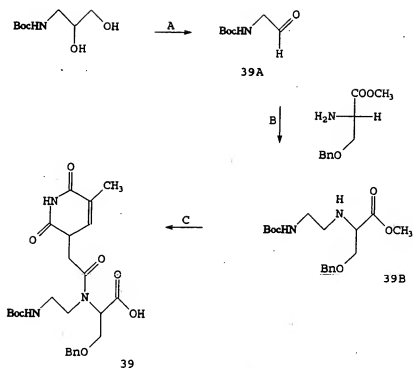


Figure 4

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- A. Potassium m-periodate
- B. Glacial acetic acid, Sodiumtriacetoxymethylborohydride
- C. N-1-Carboxymethylthymine (Compound 3), 1N NaOH

Figure 5

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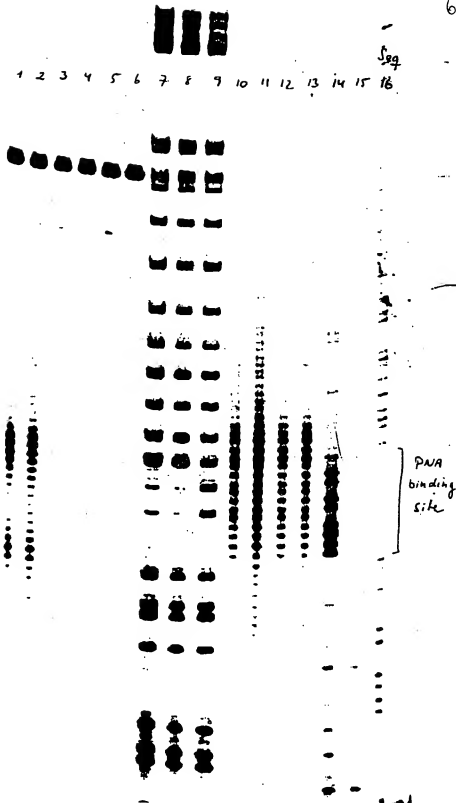


Figure 6